

Figure 1

000120-18221960

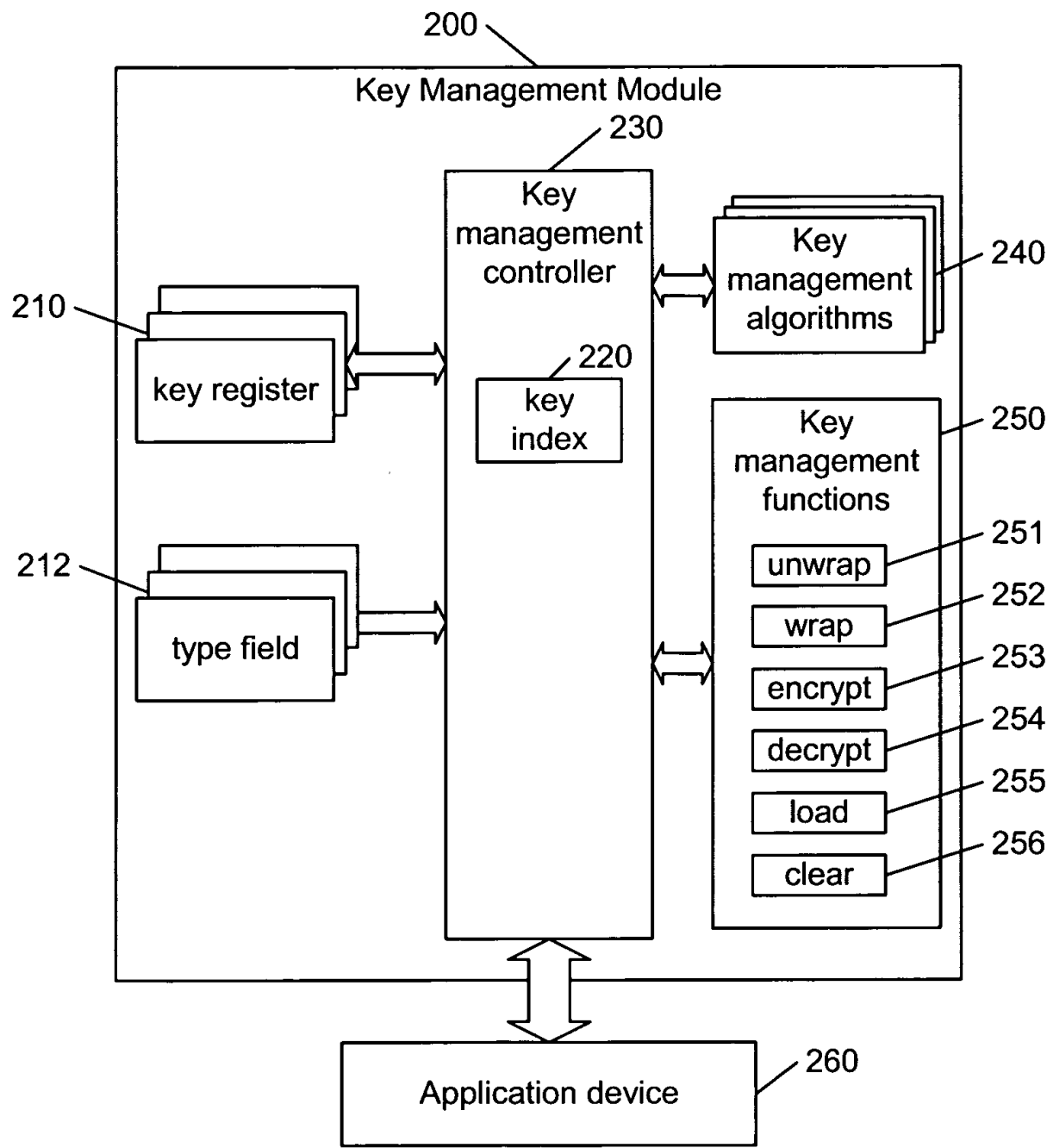
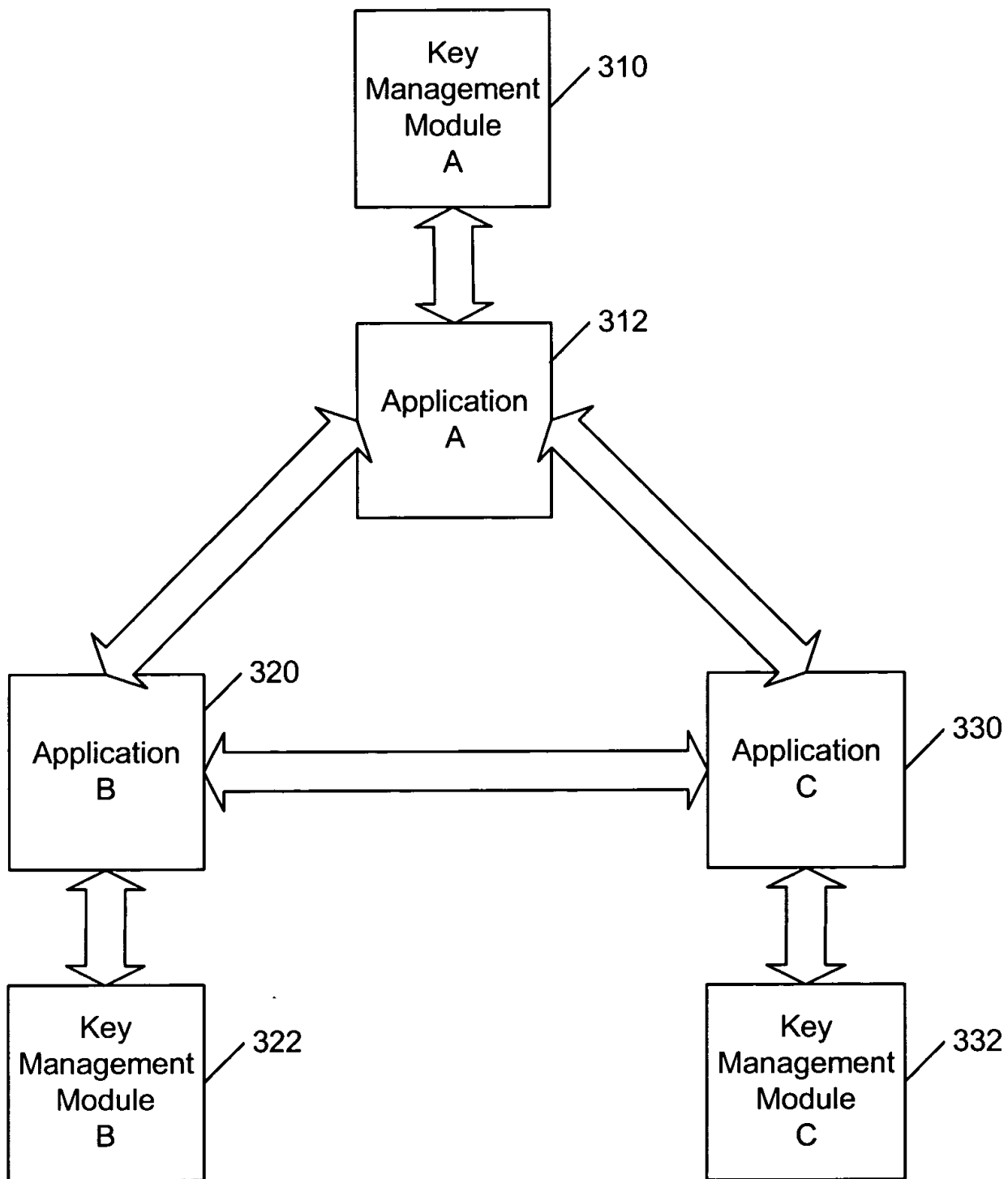


Figure 2

**Figure 3**

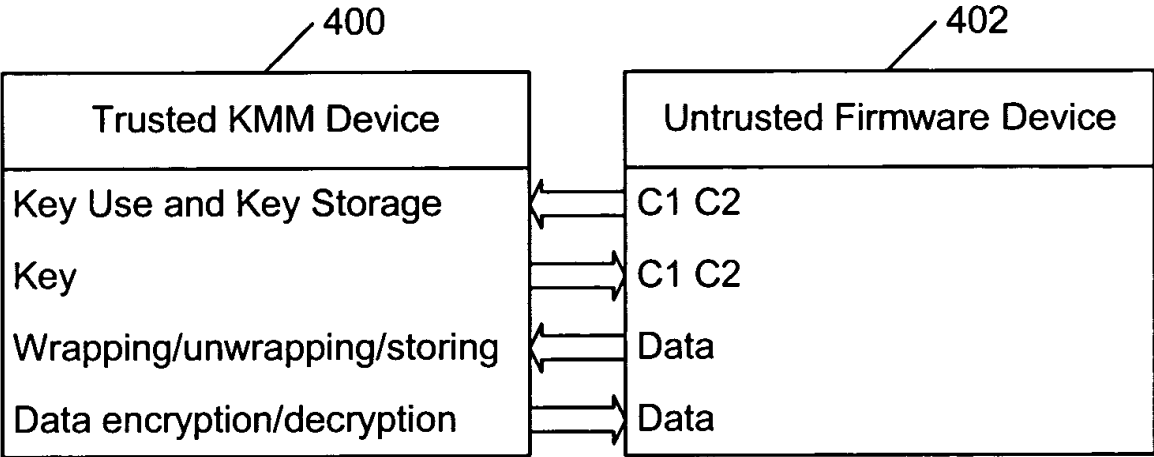


Figure 4

000120-1821560

Key Levels	Functions
Level 0	Encrypt/decrypt data (ECB mode)
Level 1	Unwrap black bits (if C1 ¹ C2) to level 0 (CBC with firmware-specified IV);
	Encrypt data (ECB mode using swapped key blocks)
Level 2	Wrap level i red key bits (CBC' mode with IVi);
	Export black bits;
	Unwrap black bits to level j as specified by firmware (CBC' mode with IVj) (if j = 0, resulting key bits may be marked as imported);
	Import red key bits as level 0 (these imported key bits are preferably wrapped by level 2 keys only)
	Encrypt/decrypt data (ECB mode)

Figure 5

000120-1822560